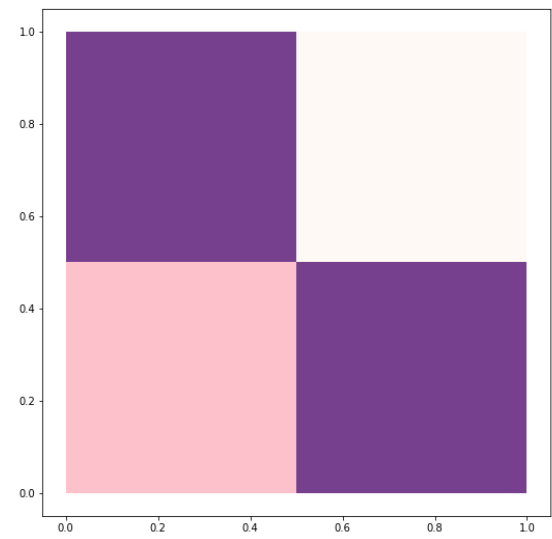
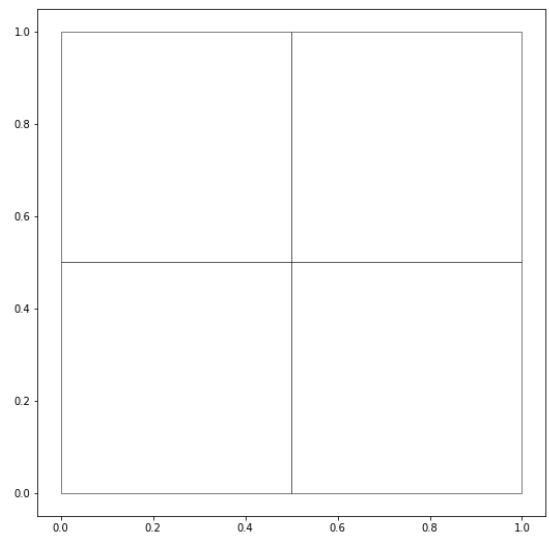
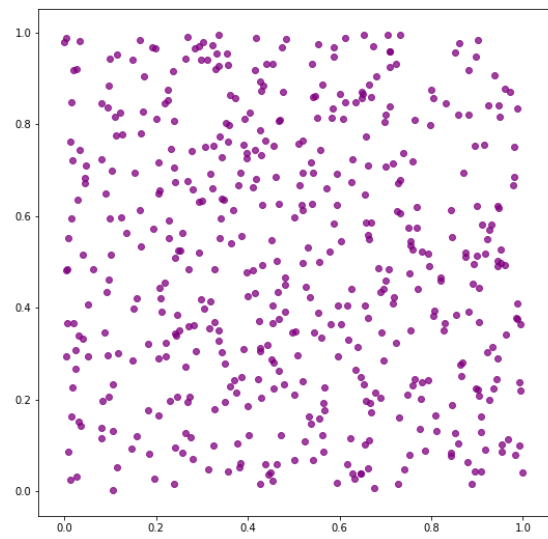


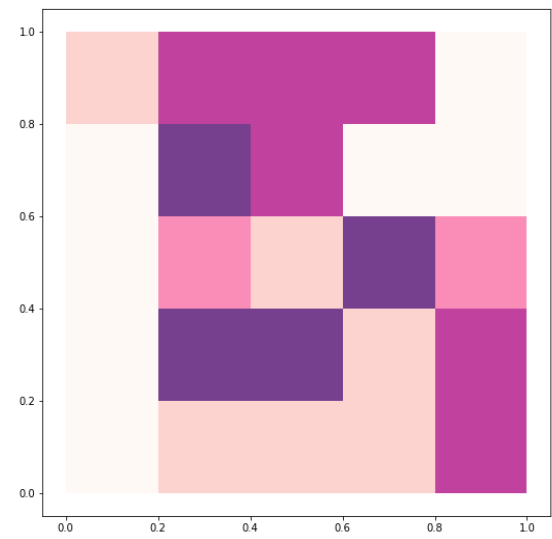
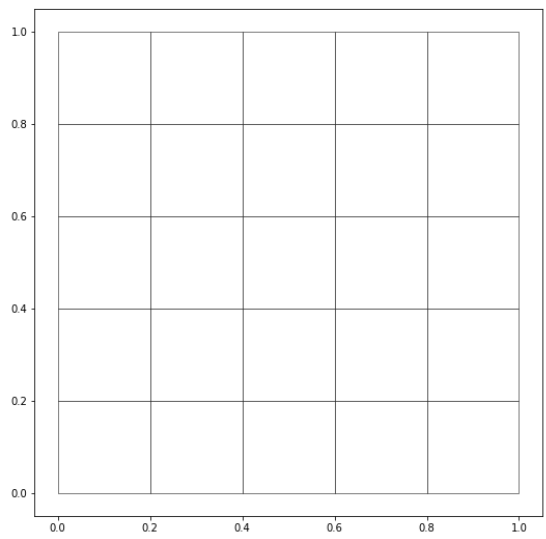
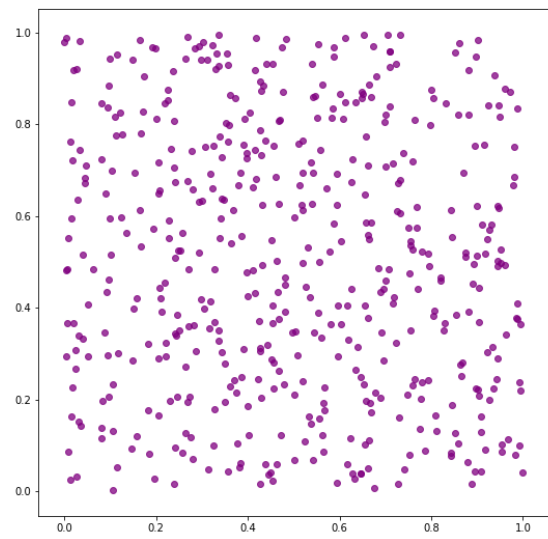
# Geographic Data Science

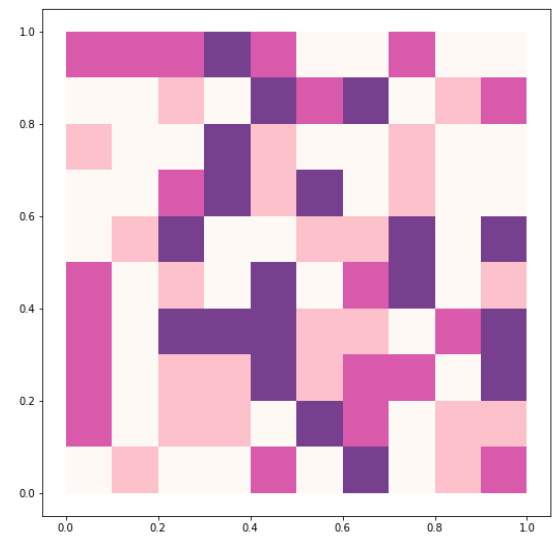
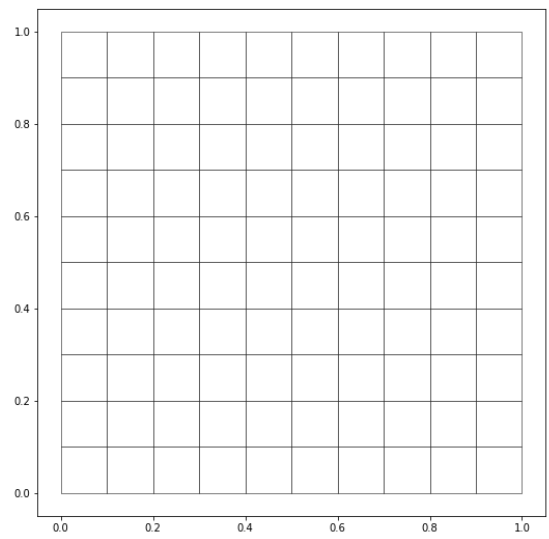
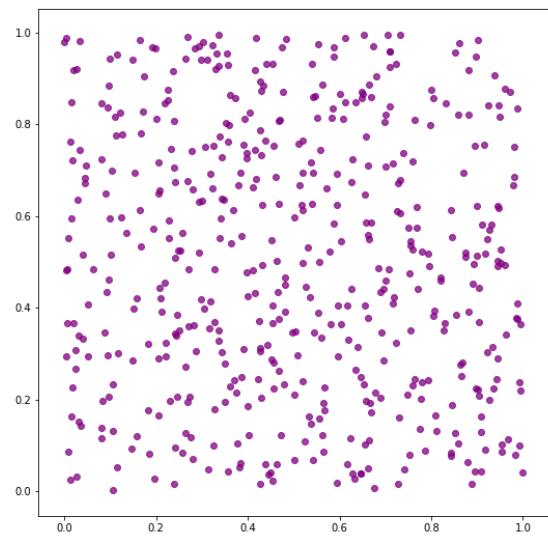
Geographical Containers for Data

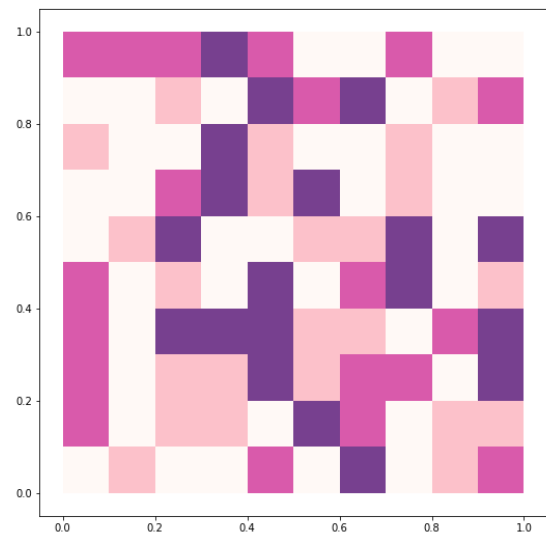
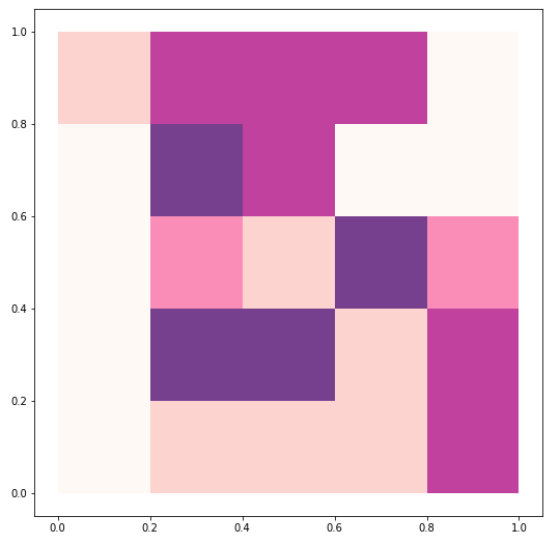
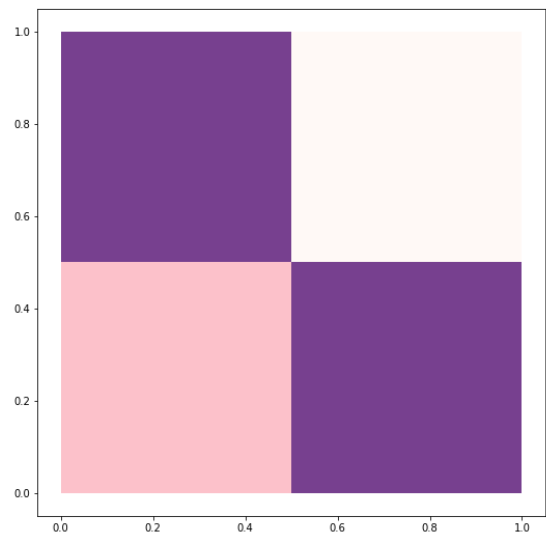
Dani Arribas-Bel

**Modifiable Areal Unit Problem (Openshaw, 1984)**









# MAUP

Scale and delineation mismatch between:

- Underlying process (e.g. individuals, firms, shops)
- Unit of measurement (e.g. neighborhoods, regions, etc.)

In some cases, it can **seriously mislead** analysis on aggregated data (e.g. **Flint, MI!!!**)

Always keep **MAUP** in mind when exploring aggregated data!!!



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